

Alfalfa Response to Pelletized Lime Trial 2005

Table 3.

Alfalfa Response to Pelletized Lime

Treatment	2005 Yield	Significant Difference	Value of Hay \$120/ton	Crude Protein	ADF	TDN	7-Year Ave. Yield
Two Applications; after 1st and 2nd Cutting <i>with Pellet Lime</i> 200 lbs <i>Pellet Lime</i> 60 lbs P2O5 250 lbs K2O	1 6.66 tons	YES	\$799.08	26	19	62	5.81 tons
Two Applications; after 1st and 2nd Cutting <i>P/K Control</i> 60 lbs P2O5 250 lbs K2O	2 3.85	—	\$462.00	16	29	55	4.66
Single Spring Application <i>with Pellet Lime</i> 400 lbs <i>Pellet Lime</i> 120 lbs P2O5 500 lbs K2O	3 6.41	YES	\$769.20	27	19	60	5.41
Single Spring Application <i>Ag Lime</i> 2 tons Ag Lime 120 lbs P2O5 500 lbs K2O	4 5.67	—	\$680.40	23	24	59	4.55
Single Spring Application <i>P/K Control</i> 120 lbs P2O5 500 lbs K2O	5 3.75	—	\$450.00	16	29	56	3.7
LSD (P=.05) C.V.	.424 tons 5.22%	Additional Test Notes: Ave. soil pH = 6.9; P levels “Very High”; K levels “Very High” 5 clippings recorded; Plots were irrigated.					

Comments

Pellet Lime Treatments 1 & 3 out yielded all others including the 2-ton ag lime treatment. As seen in every year of this test, the two application method has produced the best yield returns. Note the higher CP and TDN figures and the lower ADF values where Pellet Lime is used. In 7 years of testing, the Pellet Lime treatments have increased overall yields by nearly 35% over the P/K Control. These results are statistically significant in favor of Pellet Lime.